



**Owner's Manual**

# Reciprocating Saw



**WARNING!** To Reduce The Risk Of Injury, User Must Read And Understand Instruction Manual.

**SP-PT212**

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**www.steele-products.com**

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# Reciprocating Saw

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**WARNING! READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/ OR VOIDING OF YOUR WARRANTY. STEELE® WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.**

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## **GENERAL SAFETY RULES**

### **WARNING!**

Please read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

### **SAVE THESE INSTRUCTIONS**

#### **Work Area**

1. Keep your work area clean and well lit. Cluttered benches and dark areas will invite accidents.
2. Do not operate power tools in explosive atmospheres such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep bystanders, children, and visitors away while operating a power tool. Distraction can cause you to lose control.

#### **Electrical Safety**

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
3. Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged cords should be replaced immediately by qualified repair personnel. Damaged cords will increase the risk of electric shock.
5. When operating a power tool outside, use an outdoor heavy duty extension cord and use in conjunction with a residual current device (RCD).
6. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

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7. Recommendation for the use of a residual current device with a rated residual current of 30 mA or less.

## Personal Safety

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Dress properly. Do not wear loose clothes or jewellery. Contain long hair. Keep your hair, clothes, and gloves away from moving parts.
3. Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on may invite accidents.
4. Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
7. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT suitable for eye protection.

## Tool Use and Care

1. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the workpiece by hand or against your body is unstable and may lead to loss of control.
2. Do not force the tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
3. Do not use the tool if the switch cannot be turned on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired before use.
4. Disconnect the plug from the power source before making any adjustment, changing accessories, or storing the tool. Such preventive safety measures can reduce the risk of starting the tool accidentally.

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5. Store idle tools out of reach of children or other untrained persons. Tools are dangerous in the hands of untrained users.
6. Maintain tools with care. Keep the cutting tools sharp and clean. Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
7. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
8. Some accessories suitable for one tool may become hazardous when used on another tool. Please check all accessories to be used are suitable.

## Service

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
2. When servicing a tool, use only identical replacement parts.

## **SPECIFIC SAFETY RULES**

1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact the hidden wirings or its own cord. Contact with alive wire will make exposed metal part of the tool alive and shock the operator.
2. Do not start the saw with the blade touching any surface. The blade action will bounce the tool and may cause body injury.
3. Allow the tool to come to a complete stop before putting it down. A running tool will jerk when the blade tip contacts any surface.
4. Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the blade.
5. Do not let anyone under the age of 18 years operate this saw.
6. Always stand to one side when operating the saw and allow the blade to come to rest naturally.

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7. Never use a cracked or distorted saw blade. Only use sharp blades.
8. When cutting round wood, use clamps to prevent the work piece from turning on both sides of the blade.
9. Never use your hands to remove sawdust, chips or waste close by the blade.
10. Rags, cloths, cord and string and the like should never be left around the work area.
11. Avoid cutting nails. Inspect the work piece and remove all nails and other foreign objects before sawing.
12. Do not attempt to free a jammed blade before first switching off the machine. Do not slow or stop a blade with a piece of wood or other objects.

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## FEATURES

This reciprocating saw has been designed for metal and non-metal cutting applications. Please refer to the fig.1 to familiarize yourself with the major components of this tool before using it.

1. Shoe
2. Chuck
3. Rubber Grip
4. Rear Handle Release Button
5. Trigger Switch
6. Lock-on Button



Fig.1

## ASSEMBLY

### CAUTION!

Always ensure that the tool is switched off and unplugged from the mains supply before assembly.

Installing a saw blade:

1. Open the blade clamp by rotating it in an anticlockwise direction. This will retract the pin and allow the saw blade to be inserted.
2. Insert the saw blade into the clamp to the deepest position and release the clamp to lock the blade in position.
3. Pull on the blade to ensure it's securely fastened.

Shoe adjustment

1. Loosen the two screws located underside the rubber grip, pull or push the shoe to a desired position.
2. Retighten the screws. Make sure not to overtighten them to avoid damage of threads.

Note: Do not operate the reciprocating saw if the adjustable shoe is not installed.

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## Rear Handle Adjustment :

The rear handle of this tool can be rotated around the main body of motor and locked at five different angles so that you can operate the tool at most comfortable position.

Pull the rear handle release button back to unlock the rear handle. Turn the rear handle to desired angle and release the rear handle release button. Turn the rear handle left or right so that it locks at the nearest preset position with a clear click.

## OPERATION

### Switching on and off

Caution! Ensure that the tool is in good condition.

The trigger switch of this tool features variable speed control:

1. switching on/off: plug the cord set into the power socket. Slowly depress the trigger switch, the tool will be turned on and runs from slow to fast. The tool reaches its full speed when the trigger switch is fully depressed. Fully release the trigger switch will turn the tool off.
2. continuous running: depress the lock-on button after the trigger switch is fully depressed, then release the trigger switch, the tool will be under continuous running status. To stop the tool, fully depress the trigger switch and the lock-on button will spring up back to its original position, release the trigger switch.

### General Cutting

1. Make sure the saw blade is clear of any foreign material and the power cord or extension cord are out of the path of the blade.
2. Be sure the material to be cut is held firmly. Small work pieces should be securely clamped in a vise or clamped to the work bench.
3. Make out a cutting line.
4. Hold the saw firmly in front and clearly away from you.
5. Switch on the tool and wait until the saw has reached its full speed.
6. Place the shoe on the work piece and begin to saw.

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**NOTE:** Use only enough pressure to keep the saw cutting. Allow the blade and the saw to do the work.

**WARNING!** Make sure the saw blade does not touch the work piece until the saw reaches its maximum speed. Failure to do so would causes loss of control and result in serious injury.

**WARNING!** Use of excessive pressure that causes bending or twisting of the blade may cause the blade to break.

## **Metal Cutting**

1. When cutting metal material such as sheet steel, pipe, steel rods, aluminum, brass and copper etc., be careful not to bend or twist the blade and do not force the cutting action.
2. It's recommended that you use cutting oil to lubricate the cutting surface to avoid the blade from overheating. Following the general cutting procedure on previous page.

## **WARNING!**

If any of the following events occur during normal operation, the power supply should be shut off at once and tool thoroughly inspected by a qualified person and repaired if necessary:

1. The rotating parts get stuck or speed drops abnormally low.
2. The tool shakes abnormally accompanied by some unusual noise.
3. The motor housing gets abnormal hot.
4. Heavy sparks occur around the motor area.

## **MAINTENANCE**

### **Warning !**

Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard.

### **CAUTION !**

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Regularly clean the tool's air vents with compressed dry air. Do not attempt to clean by inserting pointed objects through openings.

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## **CAUTION!**

Certain cleaning agents and solvents may damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

1. Regularly inspect all mounting screws and ensure that they are properly tightened.
2. Regularly clean the air vents of the tool.
3. Check and replace carbon brushes when necessary.

## **ACCESSORIES**

metal cutting blade -----1pc

wood cutting blade -----1pc

Allen key -----1pc

## **SPECIFICATIONS**

Model: SP-PT212 (J1F-115X)

Voltage: 120V~60Hz

Rated Power: 6.0 A

Max. Cutting Depth in wood: 4.5"(115mm) [ metal: 0.2"(5mm) ]

No Load Speed: 0-2500 spm

Stroke Length: 1"

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## LIMITED WARRANTY

STEELE® warrants to the original purchaser who uses the product in a consumer application (personal, residential or household usage) that all products covered under this warranty are free from defects in material and workmanship for two years from the date of purchase.

All products covered by this limited warranty which are used in commercial applications (i.e. income producing) are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. Products covered under this warranty include air compressors, tools, service parts, pressure washers, and generators.

STEELE® will repair or replace, at STEELE®'s sole option, products or components which have failed within the warranty period. Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replacement parts. All decisions of STEELE® with regard to this limited warranty shall be final. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## RESPONSIBILITY OF ORIGINAL PURCHASER (initial User):

- To process a warranty claim on this product. DO NOT return item to the retailer. The product must be evaluated by an Authorized Warranty Service Center. For the location of the nearest Authorized Warranty Service Center contact the retailer place of purchase.
- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- Deliver or ship the product to the nearest Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center that provides on-site service calls for service call arrangements.
- If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact STEELE®.

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## LIMITED WARRANTY

### THIS WARRANTY DOES NOT COVER:

Merchandise sold as reconditioned, used as rental equipment, or floor or display models. Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owners Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by STEELE®, or unauthorized repair or alterations. Repair and transportation costs of merchandise determined not to be defective. Costs associated with assembly, required oil, adjustments or other installation and start-up costs.

Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use. Merchandise sold by STEELE® which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer's warranty, if any, will apply.

ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECTS, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS WARRANTY.

Some states do not allow the exclusion, so it may not apply to you.

IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO TWO YEARS FROM THE DATE OF ORIGINAL PURCHASE.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

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